



(11)

EP 2 871 843 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.07.2015 Bulletin 2015/30

(51) Int Cl.:
H04N 13/02 (2006.01) **G06T 7/00 (2006.01)**
G06T 7/40 (2006.01)

(43) Date of publication A2:
13.05.2015 Bulletin 2015/20

(21) Application number: **14192450.6**

(22) Date of filing: **10.11.2014**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(30) Priority: **12.11.2013 US 201361903364 P**
27.10.2014 KR 20140146171

(71) Applicant: **LG Electronics Inc.**
Yeongdeungpo-gu
Seoul 150-721 (KR)

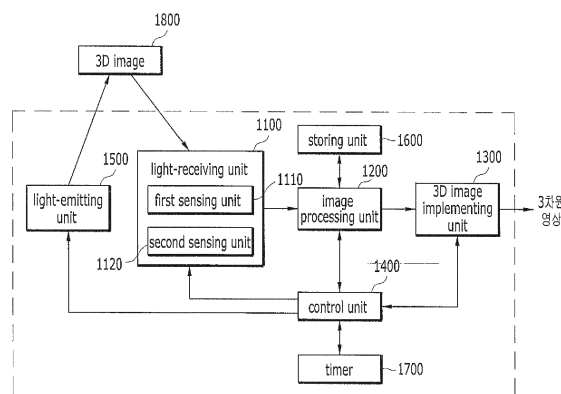
(72) Inventors:
• **Kang, Jinwon**
137-893 Seoul (KR)
• **Shin, Yunsup**
137-893 Seoul (KR)
• **Kwon, Youngman**
137-893 Seoul (KR)

(74) Representative: **Urner, Peter**
Ter Meer Steinmeister & Partner
Patentanwlte mbB
Mauerkircherstrasse 45
81679 Mnchen (DE)

(54) Digital device and method for processing three dimensional image thereof

(57) The present invention relates to a digital device capable of obtaining both a color image and a depth image and a method of processing a three dimensional image using the same. The method can include the steps of switching by a control unit (1400) a resolution of the light-receiving unit (1100) from a first resolution to a second resolution which is lower than the first resolution, if the resolution of the light-receiving unit (1100) corresponds to the first resolution, sensing by the light-receiving unit (1100) the visible light and the infrared light from a subject, extracting by an image processing unit (1200) color image information from the visible light sensed by the first sensing unit (1110) of the light-receiving unit (1100) during a first time interval, extracting by the image processing unit (1100) depth image information from the infrared light sensed by the second sensing unit (1120) of the light-receiving unit (1100) during a second time interval, determining by the control unit (1400) whether extraction of both the color image information and the depth image information for the subject is completed, and if the extraction of both the color image information and the depth image information for the subject is completed, implementing by a 3D image implementing unit (1300) a 3D image of the subject based on the extracted color image information and the depth image information.

FIG. 3



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EUROPEAN SEARCH REPORT

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Place of search The Hague		Date of completion of the search 16 June 2015	Examiner Borcea, Veronica
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)

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EPO FORM P0459

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